

## Title (en)

Method of making porous ceramic suitable as diesel particulate filters.

## Title (de)

Verfahren zur Herstellung poröser keramischer Materialien geeignet für Dieselpartikelfilter.

## Title (fr)

Procédé de fabrication de produits céramiques poreux à utiliser comme filtres de particules pour moteurs diesel.

## Publication

**EP 0549873 A1 19930707 (EN)**

## Application

**EP 92119242 A 19921111**

## Priority

US 81622692 A 19920103

## Abstract (en)

A method of making porous ceramic articles is disclosed that allows the formed green body to be dried in a dielectric oven without arcing or shorting occurring while maintaining favorable physical properties. The method includes adding water insoluble cellulose and graphite to the ceramic-forming precursors as a burnout material. The method of the present invention is particularly useful in forming porous cordierite articles that are extruded to form a honeycomb structure conventionally used as a particulate filter for the exhaust fluids of diesel engines. Such articles have a matrix of thin walls forming a multiplicity of open-ended cells extending from one end to another end of the honeycomb. The thin walls have a substantially smaller coefficient of thermal expansion in the direction parallel to the axes of the open-ended cells than in the direction transverse to the thin walls.

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## Citation (search report)

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